

Mineral Site Passport

Gumnishta

Commodity:

Lead, Zinc

Map Sheet:

K 34 - 42

Ownership:

Government

Status of Project:

Under exploration.

Infrastructure:

A paved road intersects the Zone of Interest. The next railway station is approx. 2 km away. Next power grid is at about 1 km distance.

Regional Geology:

The major regional geological unit is the Mitrovicë / Samadrexhë Cenozoic volcanic complex, situated in External Vardar Subzone.

The rock sequence consists of:

- Quaternary alluvial and deluvial sediments
- Miocene quartz-latite, latite and andesite lavas, subvolcanics and corresponding pyroclastic rocks
- Miocene sedimentary rocks like conglomerates, sandstones, clays, tuffs, tuffites: "volcanic base"
- Jurassic ophiolite formation (peridotites, basalts, serpentinites, serpentinised ultramafic rocks, chert)
- Triassic volcano-sedimentary rocks with metabasalts, metaconglomerates, metasandstones, amphibolites, schists and marbles ("Trepça series")
- Palaeozoic sericite-chlorite schists

Mineralization / Type of Deposit:

Pb-Zn-Ag-Au hydrothermal sulfide veins and veinlets associated with Cenozoic andesite-latite-trachyte volcanism. Carbonate replacement ore bodies with Pb, Zn, Ag, Au, Mn, Bi, Sb and Cu in Triassic marbles/limestones. Sulfide veinlets in altered Palaeozoic schists (pyritisation, kaolinitisation and propylitisation).

Extension of Mineral Occurrence:

The surface of this Zone of Interest is 29 km².

Resources:

Drilling carried out and in the 1960ies and in 2007 detected mineralization. Stream sediment sampling program yielded 4 samples with grades ranging from 0.41 to 1.38 ppm Au. In addition, the following elements also show higher metal concentrations: Pb, Zn, Ag, As, Hg, Cd, Sb, Bi, Se and Mn.

Past Production:

Probably in Roman times and Middle Ages surface mining of Pb and Ag was carried out in the Gumnishta Zone.



Mineral Site Passport Gumnishta

Mining Method:

Not yet planned.

General Evaluation:

According to the Kosova Mineral Resources Management Plan it is recommended to continue with the geological research activities in the Zone of Interest.

Additional Graphics:

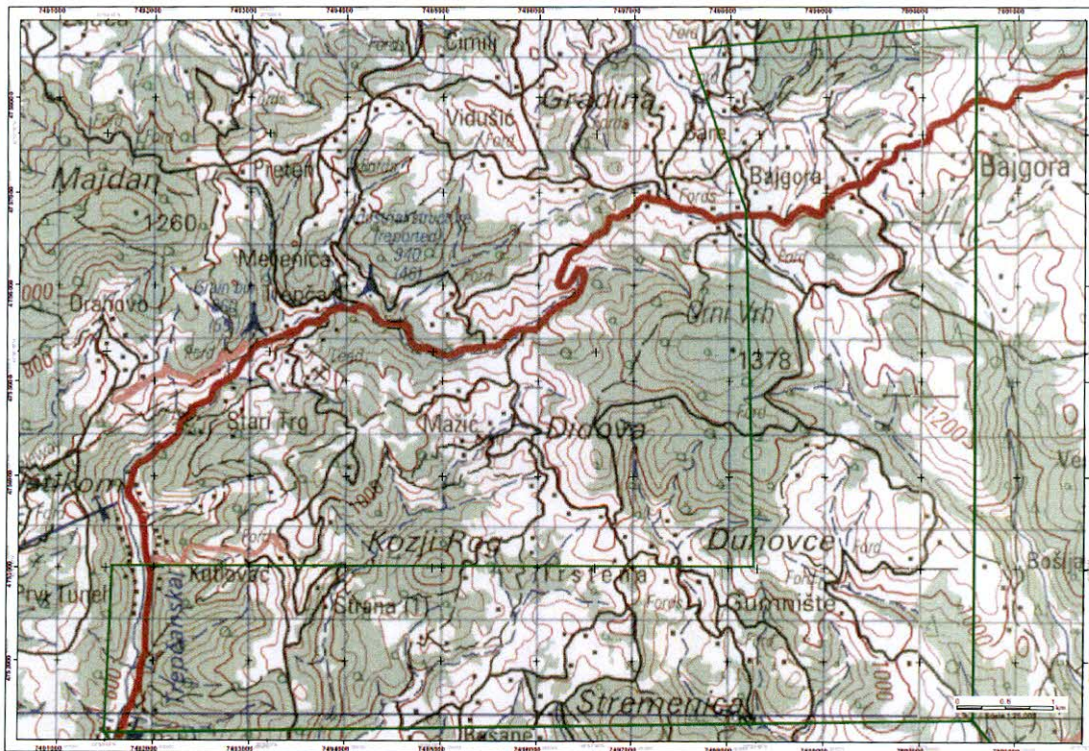


Fig. 1: Topographical map with Zone of Interest "Gumnishta" (green line).

Mineral Site Passport Gumnishta

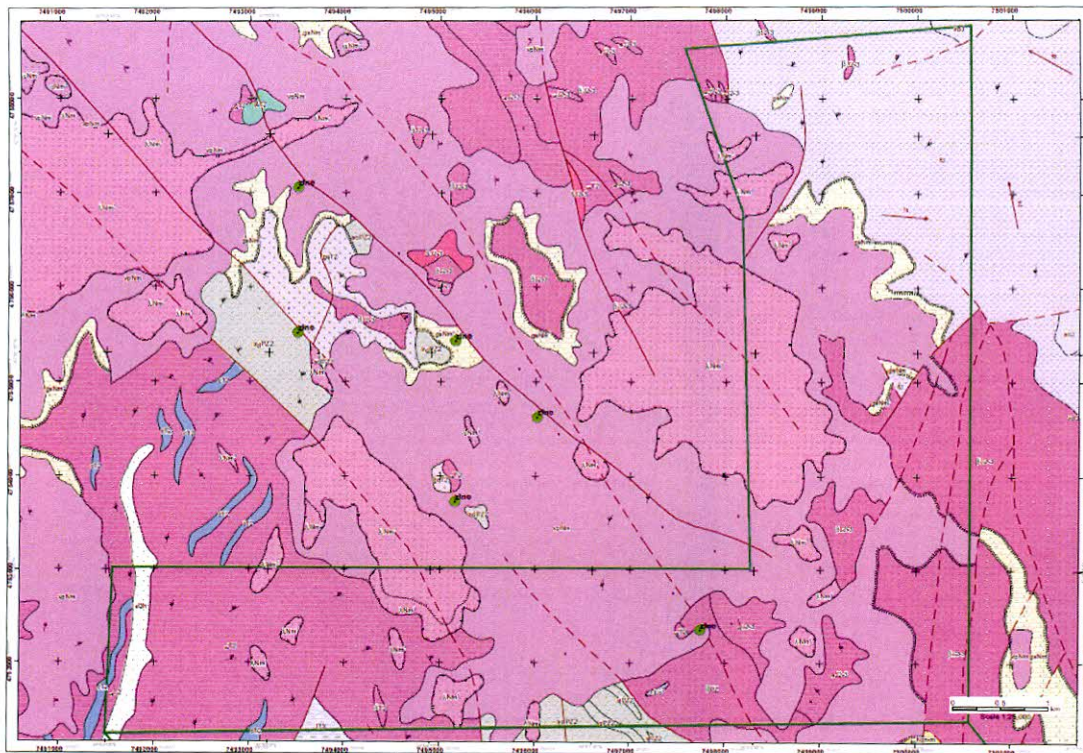


Fig. 2: Geological map with Zone of Interest "Gumnishta" (green line).

Mineral Site Passport Gumnishta

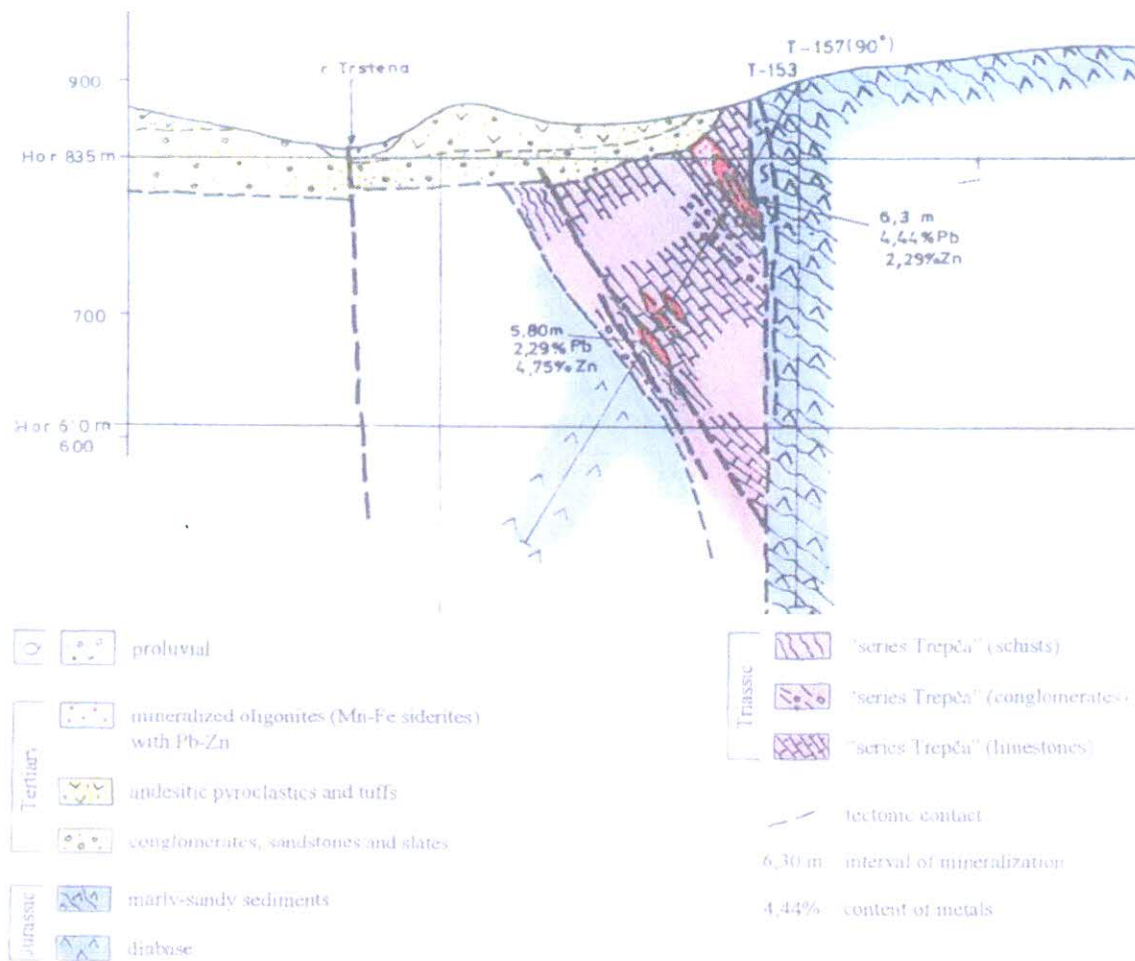


Fig. 3: Geological cross - section of a mineralization near Terstena

Mineral Site Passport Gumnishta**References:**

1. BEAK CONSULTANTS GMBH: The Compilation of the Geoscientific Maps of Kosovo – Geological Map of Kosovo 1: 100,000 – Description of the Map Compilation – Beak Consultants GmbH, Prishtinë, March 2006, 175 p.
2. BEAK CONSULTANTS GMBH: The Compilation of the Geoscientific Maps of Kosovo – Map of Minerals (2nd Update) and Metallogenic / Minerogenic Map of Kosovo – Final Report: Map Description. - Beak Consultants GmbH - Prishtinë, March 2008.
3. BEAK CONSULTANTS GMBH: Stream Sediment Sampling Area II - Mitrovicë / Mitrovica - Samadrexhë / Somadreja, Prishtinë/Freiberg, 2008.
4. Exploration drilling documentation of boreholes No. T-48, T-49 and T-50 (1961) Gumnište, Archive Trepča South Administration (in Serbian).
5. Exploration drilling documentation of borehole No. 1 (2007) Gumnište, Archive Trepča South Administration (in Albanian, handwritten by Ferez Maliqi, 2007).
6. JOINT AIRBORNE GEOSCIENCE CAPABILITY: Geophysics - Interpretation of Airborne Geophysical Data from Kosovo. – Report by M.-L. Airo, D. Beamish, et. al., Geological Survey of Finland/British Geological Survey, 07.12. 2007 including Airborne Geophysical Data Maps (Magnetics, Electromagnetics and K-Th-U-Radiation).
7. Raport nga vizita në teren Gumnishtë. – ICMM Staff Raport 10.11.2006.
8. Structural Map of the Stan Tërg and Gumnishte Exploration Licence Areas with Pb-Zn-Ag Occurrences and Deposits, 1 : 25,000. - Author: M. Diehl, Trepča South Administration, 2006.
9. SLOWEY, E.: Preliminary information Summary on Trepca undeveloped Pb-Zn deposits and major prospects in Kosovo. TMAT 08/2001.
10. BEAK CONSULTANTS GMBH: Kosovo Mineral Resources Management Plan, 2009.
11. Kosova Logistik GmbH & Kartographie Huber sh.p.k.: Kosovo Mineral Resources Management Plan 2010.

Mineral Site Passport Gumnishta

For further details see the data base at the ICMM.



**Independent Commission for Mines and Minerals (ICMM)
Komisioni i Pavarur për Minera dhe Minerale
Nezavisna Komisija za Rudnike i Minerale**

Armend Daci Street No. 1

1000 Pristina, Kosovo

Tel.: +381 38 240 252

Fax: +381 38 245 844

e-mail: ICMM@ kosovo-mining.org

Support to ICMM to develop the Geochemical Survey in Kosovo

EU GEOS

EuropeAid/128027/D/SER/KOS



A project implemented
by the Contractor

abc-associated business
consultants gmbh /
Brenk Systemplanung GmbH
c/o abc-associated business
consultants gmbh
Dreilindenstr. 84
45128 Essen
Germany
Tel: +49 201 125289 80
Fax: +49 201 125289 81

An EU funded Project
managed by the European
Commission Liaison Office

Delegation of the European
Commission Liaison Office
Kosova St. 1
10000 Pristina
Kosovo
Tel: +381 38 51 31 504
Fax: +381 38 51 31 307

The European Commission is the EU's executive body.

"The European Union is made up of 27 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms. The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders".

"This publication has been produced with the assistance of the European Union. The contents of this publication are the sole responsibility of abc-associated business consultants gmbh / Brenk Systemplanung GmbH and can in no way be taken to reflect the views of the European Union."